

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/004575

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 A23L1/30 A61K35/78 A23D7/005 C07C62/32		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 A23L A61K A23D C07C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, FSTA, BIOSIS, MEDLINE		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 466 453 A (UCHIDA YUKIO ET AL) 14 November 1995 (1995-11-14) column 1, lines 17-29 column 2, lines 34-65 column 4, lines 45-56 column 5, lines 2,20-62 claims 2,4; example 1	1,2,4-22
Y	column 5, lines 25-35 -----	1,2,4-6
Y	DATABASE WPI Derwent Publications Ltd., London, GB; AN 1997-272844 XP002272810 DONG Y, WANG S, ZHANG R: "Method for extracting raw pine needle juice" & CN 1 102 111 A (DONG Y) 3 May 1995 (1995-05-03) abstract -----	1,2,4-6
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 16 December 2004		Date of mailing of the international search report 30/12/2004
Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Couzy, F

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 190 680 B1 (YOSHINO HISAKO ET AL) 20 February 2001 (2001-02-20) column 2, lines 17-28 column 5, lines 20-27	1,2,4-22
A	LEE Y-H ET AL: "THE CHOLESTEROL-LOWERING EFFECTS OF THE EXTRACT FROM PINUS STOBUS IN CHICKENS" HANGUG NYENNYAN SIGRYAN HAGHOI JI - JOURNAL OF THE KOREAN SOCIETY OF FOOD AND NUTRITION, PUSAN, KR, vol. 25, no. 2, 1996, pages 188-192, XP001026939 ISSN: 0253-3154 abstract	1,2,4-19
A	DATABASE WPI Derwent Publications Ltd., London, GB; AN 2002-203307 XP002272811 JEONG CB: "Production of steamed bread" & KR 2001 091 281 A (JEONG CB) 23 October 2001 (2001-10-23) abstract	1,2,4-19
A	US 6 329 000 B1 (JI LING) 11 December 2001 (2001-12-11) cited in the application column 1, lines 6-8 column 3, lines 49-54	1,2,4-19
A	EP 1 129 711 A (UNILEVER PLC ;UNILEVER NV (NL)) 5 September 2001 (2001-09-05) column 4, lines 5,6	1,2,4-19
A,P	WO 2004/064757 A (GINSKI MARK ; SHIRE LAB INC (US); COUCH RICHARD A (US); KIBALO BEN (US) 5 August 2004 (2004-08-05) pages 2,7,8 claims 1,23	1-22
A	DATABASE BIOSIS BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; Phyton (Horn) 1978; 18: 3-4 1980, LINDNER W, GRILL D: "Acids in conifer needles" XP002311085 Database accession no. 198069060322 abstract	1,2,4-22

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>           DATABASE WPI Week 2001            Derwent Publications Ltd., London, GB; AN            2001-495315            XP002311086            LEE HG, LEE SJ, LEE YH, PARK SY: "Novel            melanin biosynthesis inhibitor"            &amp; KR 2001 017 516 A (HAI TAI CONFECTIONARY            CO LTD) 5 March 2001 (2001-03-05)            abstract         </p>	1,2,4-22

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 3  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 3

Present claim 3 relates to an extremely large number of possible compounds which are only defined by reference to how they are obtained. In view of the extremely large number of possibilities for such compounds and the impossibility to reliably determine under which of the A and B categories a compound falls, a lack of clarity within the meaning of Article 84 EPC arises to such an extent as to render a meaningful search of claim 3 impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear, namely the other claims. For claims dependent on claim 3, the subject-matter was searched ignoring any feature that might have been brought by claim 3 itself, thus these claims have been incompletely searched (claims 4-5 and 7-19).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5466453	A	14-11-1995	CN 1081844 A ,B DE 69312547 D1 DE 69312547 T2 EP 0565313 A2 HK 1000338 A1 JP 3203572 B2 JP 6009419 A KR 268401 B1	16-02-1994 04-09-1997 08-01-1998 13-10-1993 27-02-1998 27-08-2001 18-01-1994 16-10-2000
CN 1102111	A	03-05-1995	NONE	
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EP 1129711	A	05-09-2001	EP 1129711 A2 AT 258435 T DE 60101859 D1 ES 2213666 T3	05-09-2001 15-02-2004 04-03-2004 01-09-2004
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KR 2001017516	A	05-03-2001	NONE	